

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An electrode for a fuel cell comprising: a catalyst layer; and a gas diffusion layer stacked on the catalyst layer,

wherein an arithmetic average roughness Ra of the surface of the gas diffusion layer on a side in contact with the catalyst layer is [[15]] 11 μm or less.

2. (Original) The electrode for the fuel cell according to claim 1, wherein the arithmetic average roughness Ra of the surface of the gas diffusion layer on the side in contact with the catalyst layer is in a range of 0.012 to 5 μm .

3. (Original) The electrode for the fuel cell according to claim 1 or 2, wherein the gas diffusion layer includes a structure in which a carbon powder is charged in a porous carbon substrate.

4. (Currently Amended) A fuel cell comprising:

a cell including a proton exchange ~~membrane~~ membrane, an anode in which a catalyst layer is stacked on a gas diffusion layer and whose catalyst layer is disposed on one surface of the proton exchange ~~membrane~~ membrane, and a cathode in which the catalyst layer is stacked on the gas diffusion layer and whose catalyst layer is disposed on the other surface of the proton exchange ~~membrane~~ membrane;

a first plate which is disposed opposite to the gas diffusion layer of the anode and via which a fuel gas supplied to the anode is circulated; and

a second plate which is disposed opposite to the gas diffusion layer of the cathode and via which an oxidant gas supplied to the cathode is circulated and which holds the cell together with the first plate,

wherein ~~the electrode for the fuel cell according to any one of claims 1 to 3 is used in at least one of the anode and the cathode~~ an arithmetic average roughness Ra of a surface of the gas diffusion layer on a side in contact with the catalyst layer is 11 μm or less.